



11/21/2023

Howard County Dept. of Public Works
Sonya Williams
8900 Greenwood Place
Savage, MD 20763

Subject: HoCo Distribution/ASI #71741

Dear: Sonya Williams

Enclosed please find the test result(s) for sample(s) received at Analytical Services, Inc. (ASI) on 11/21/2023.

This report consists of four (4) pages, including this cover page. The results reported herein relate only to the sample(s) included in this report. These results were generated under ASI's laboratory quality system, which is in accordance with the NELAC (TNI) standard. Deviations, if any, are noted. This report shall not be reproduced except in full without the written approval of the laboratory.

Thank you for using ASI for your testing needs. For additional information regarding this report, please contact ASI Client Services at 800-723-4432.

Sincerely,

ANALYTICAL SERVICES, INC.

Aimee Benjamin, For

Harry D. Christman, PhD
Technical Director

Laboratory ID: NH-ELAP #2065

USEPA Method 1623.1 Analytical Report

Howard County Dept. of Public Works
Sonya Williams
8900 Greenwood Place
Savage, MD 20763

Analysis Start: 11/21/2023 11:14
Analysis End: 11/21/2023 16:34
Analyst: Aimee Benjamin

ASI Sample ID No.: 71741-01

Method 1623.1 Batch No.: 2543 1623.1
Cryptosporidium QC ID No.: 5842
Giardia QC ID No.: 5843

Sample Information	
PWS or Client Name:	Howard County DPW
PWS ID:	013-0002
Facility Name:	Howard County Distribution
Facility ID:	No Data
Sample Collection Point Name:	Elkridge WPS
Sample Collection Point ID:	Elkridge WPS
Matrix:	Water-Finished
Method:	EPA 1623.1
Analysis Type:	Field
Date / Time Collected:	11/20/2023 9:10
Turbidity (NTU):	no data

Volume and Filtration Information	
Filter Type:	Envirochek HV
No of Filters Used:	1
Volume Filtered (L):	10.85
Packed Pellet Volume (mL):	0.40
Total Resuspended Concentrate Volume (mL):	5.0
Total Resuspended Concentrate Volume to IMS (mL):	5.0
Number of Sub-samples:	1
Total Sample Volume Examined (L):	10.85

Analytical Results		Matrix Spike Results		
Analyte	Total (Oo) cysts/L	Recovered (Oo) cysts/L	Spike Dose (Oo) cysts/L	Percent Recovery
<i>Giardia</i>	0.00	N/A	N/A	N/A
<i>Cryptosporidium</i>	0.00	N/A	N/A	N/A

Method: Samples processed, stained and examined using USEPA Method 1623.1: Cryptosporidium and Giardia in Water by Filtration/IMS/FA (USEPA Jan. 2012: EPA 816-R-12-001) (ASI SOP 224-9).

**USEPA Method 1623.1 Analytical Report**Howard County Dept. of Public Works
Sonya Williams
8900 Greenwood Place
Savage, MD 20763Analysis Start: 11/21/2023 11:14
Analysis End: 11/21/2023 16:40
Analyst: Aimee Benjamin**ASI Sample ID No.: 71741-02**Method 1623.1 Batch No.: 2543 1623.1
Cryptosporidium QC ID No.: 5842
Giardia QC ID No.: 5843**Sample Information**

PWS or Client Name:	Howard County DPW
PWS ID:	013-0002
Facility Name:	Howard County Distribution
Facility ID:	No Data
Sample Collection Point Name:	Route 40
Sample Collection Point ID:	Route 40
Matrix:	Water-Finished
Method:	EPA 1623.1
Analysis Type:	Field
Date / Time Collected:	11/20/2023 9:38
Turbidity (NTU):	no data

Volume and Filtration Information

Filter Type:	Envirochek HV
No of Filters Used:	1
Volume Filtered (L):	11.07
Packed Pellet Volume (mL):	0.30
Total Resuspended Concentrate Volume (mL):	5.0
Total Resuspended Concentrate Volume to IMS (mL):	5.0
Number of Sub-samples:	1
Total Sample Volume Examined (L):	11.07

Analytical Results**Matrix Spike Results**

Analyte	Total (Oo) cysts/L	Recovered (Oo) cysts/L	Spike Dose (Oo) cysts/L	Percent Recovery
<i>Giardia</i>	0.00	N/A	N/A	N/A
<i>Cryptosporidium</i>	0.00	N/A	N/A	N/A

Method: Samples processed, stained and examined using USEPA Method 1623.1: Cryptosporidium and Giardia in Water by Filtration/IMS/FA (USEPA Jan. 2012; EPA 816-R-12-001) (ASI SOP 224-9).

CHAIN OF CUSTODY RECORD

Ship to: Analytical Services, Inc., 130 Allen Brook Lane, Williston, VT 05495, Attn: Sample Management
Phone: 1-800-723-4432 or 802-878-5138 • Fax: 802-878-6765 Web site: www.analyticalservices.com

Submitted By: <u>Howard County DPW</u> <u>Sonya Williams</u> <u>8900 Greenwood Place</u> <u>Savage, MD 20763</u> Phone: <u>410-313-1203</u> Fax: _____		Report To: <u>Sonya Williams</u> <u>snwilliams@howardcountymd.gov</u> <u>rhindt@howardcountymd.gov</u> Phone: <u>410-313-1203</u> Fax: _____	
Project Name	<u>HoCo Distribution</u>	Invoice To: <u>Sonya Williams</u> <u>snwilliams@howardcountymd.gov</u> Phone: <u>410-313-1203</u> Fax: _____	
Job Site	<u>multiple</u>		
P.O. Number			

Sample Identification*	Sample Collection		Sample Matrix						Analysis Requested
			check one						
	Date	Time	Water - Raw	Water - Finished	Waste Water	Biosolids	Soil/Sediment	Other	
EIKRIDGE M640	11/20/23	9:10am		X					EPA 1623.1 Cryptosporidium
ROUTE 40 M640	11/20/23	9:38am		X					EPA 1623.1 Cryptosporidium

1A#2
2.1°C
↓

*Sample ID should match ID written on the sample containers and data sheets. Sample ID will appear on the report for identification.

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
<u>[Signature]</u>	<u>11/20/23 9:38am</u>	<u>[Signature]</u>	<u>11/21/23 10:30</u>
Field Comments:		Lab Comments:	